Form PCT/ISA/237(cover sheet)(April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CN2005/002232

Во	x No	. I	Basis of the opinion	
1.	Wi	th reg	ard to the language, this opinion has been established on the basis of:	
		l at	rinternational application in the language in which it was filed ranslation of the international application into	, which is the language of a translation
2.	Wi	th reg entio	ard to any nucleotide and/or amino acid sequence disclosed in the international and, this opinion has been established on the basis of:	application and necessary to the claimed
	a.	type	of material a sequence listing table(s) related to the sequence listing	
	ъ.	form	nat of material on paper in electronic form	
	c.		of filing/furnishing contained in the international application as filed filed together with the international application in electronic form furnished subsequently to this Authority for the purposes of search	
3.		turni	dition, in the case that more than one version or copy of a sequence listing and/or shed, the required statements that the information in the subsequent or additional times and the subsequent or additional filed or does not go beyond the application as filed, as appropriate, were to	onal copies is identical to that in the
4.	Add	itiona	1 comments:	
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Box No. V		Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;							
	citations and explanations supporting such statement								
1.	Statement	t:		·					
:	Novelty (N)		Claims	1-20	YES				
			Claims		NO				
İ					_				
	Inventive step (IS)		Claims	4-9,11-12,14-20	YES				
			Claims	1-3,10,13	NO				
					-				
	Indust	trial applicability (IA)	Claims	1-20	YES				
			Claims		NO				
	<u> </u>				_				
2. C	itations	and explanations							
(1) J	(1) Reference is made to the following documents:								
]	D1:US5524264A (Sony Corporation, Tokyo, Japan) 4 Jun 1996 (1996-06-04)								
	D2:US5642512A (Matsushita Electric Co., Osaka-fu, Japan) 24 Jun 1997 (1997-06-24)								
]	D3:EP0363882A2 (NEC CORPORATION) 18 Apr 1990 (1990-04-18)								
				ORPORATION) 4 Mar 2004 (2004-03-04)					

(2) Novelty and Inventive Step:

The subject matter of claims 1-20 of the present invention is a method of compiling code.

D1 discloses a parallel arithmetic-logical processing device. The data to be processed is divided into first data and second data by control means and supplied to a plurality of processing units so as to be parallel-processed by the processing unit. These processing units include first storage means and second storage means.

The subject matter of the present invention and that of the prior art document D1 are considered to be similar in that both relate to a compiling technique .But the claims 1-20 of the present invention relate to the invention based on memory access latency associated with the instructions. It is obvious that not all the technical features in claims 1-20 are disclosed by D1. Therefore, The claims 1-20 are considered to be novel (PCT Article 33(2)).

The difference between the said claims 1-3,10,13 and the said document lies in that the state of the bus stretutre in the said claims is the method based on memory access latency associated with the instructions. However, the said difference is well-known to the person skilled in in the compiling code field. Accordingly, it would be obvious to a person skilled in the art to derive the invention of claims 1-3,10,13 from the prior art. Therefore, the claims 1-3,10,13 are considered to lack an inventive step(PCT Article 33(3)).

The claims 4-9,11-12,14-20 are considered to have an inventive step(PCT Article 33(3)) because the document D1 does not disclose partitioning a memory access dependence chain into an upstream stage by assigning a first number of desired upstream nodes to the upstream stage. And further the technical solution in claims 4-9,11-12,14-20 is not obvious to a person skilled on the basis of D1,D2,D3 and D4 or their combination. Thus, claims 4-9,11-12,14-20 have inventive step under PCT Article 33(3).

(3). Industrial Applicability:

Claims 1-20 of the present invention meet the criteria set out in PCT Article33(4) because they are directed to a method of compiling code that includes partitioning instructions in the code among a plurality of processors. Therefore, the claims 1-20 are considered to be industrially applicable.